



Patent Case: IN01164K

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of: Hosted, Jr., et al :

For: Isolation of Micromonospora Carbonacea
Var Africana pMLP1 Integrase and Use of :
Integrating Function for Site-Specific :
Integration into Micromonospora Halophitiga :
And Micromonospora Carbonacea :
Chromosome :

Examiner:

Group Art Unit: 1645

Serial No.: 09/855,340

Filed: May 15, 2001
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Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

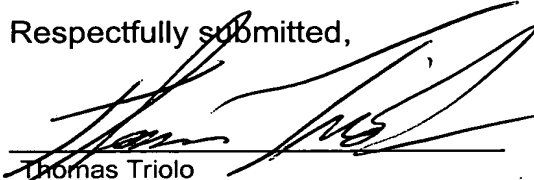
It is requested that the documents listed on the accompanying form PTO 1449, be considered and made of record in the above-identified application.

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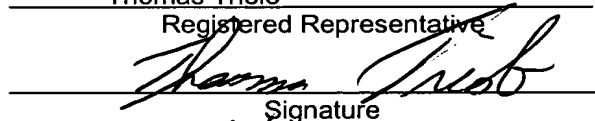
Thomas Triolo
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Telephone No.: (908) 298-2347

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on October 1, 2001

Thomas Triolo

Registered Representative

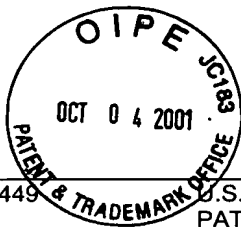


Signature

10/1/01

Date of Signature

SCHERING-PLOUGH CORPORATION
Patent Department, K-6-1, 1990
2000 Galloping Hill Road
Kenilworth, New Jersey 07033-0530
Date: 10/1/01



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO.: IN01164K	SERIAL NO.: 09/855,340
	APPLICANT: Hosted, Jr., et al.	
	FILING DATE: May 15, 2001	GROUP: 1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	Alegre et al., Cloning of Frankia species putative tRNA(Pro) genes and their efficacy for pSAM2 site-specific integration in Streptomyces lividans, Appl Environ Microbiol, Vol. 60, No.12, pp. 4279-4283 (12/1994)
AB	Bar-Nir et al., tDNA(ser) sequences are involved in the excision of Streptomyces griseus plasmid pSG1, Gene., Vol. 122, pp. 71-76, (12/1992)
AC	Boccard et al., The integrated conjugative plasmid pSAM2 of Streptomyces ambofaciens is related to temperate bacteriophages, EMBO Journal, Vol. 8, No. 3, pp. 973-980 (1989)
AD	Boccard et al., Structural analysis of loci involved in pSAM2 site-specific integration in Streptomyces, Plasmid, Vol. 21, pp. 59-70 (1989)
AE	Brasch et al., Excisive recombination of the SLP1 element in Streptomyces lividans is mediated by Int and enhanced by Xis, Journal of Bacteriology, Vol. 175, No. 10, pp. 3075-3082 (05/1993)
AF	Brasch et al., Localization and nucleotide sequences of genes mediating site-specific recombination of the SLP1 element in Streptomyces lividans, Journal of Bacteriology, Vol. 175, No. 10, pp. 3067-3074 (05/1993)
AG	Brown et al., Characterization of the genetic elements required for site-specific integration of plasmid pSE211 in Saccharopolyspora erythraea, Journal of Bacteriology, Vol. 172, No. 4, pp. 1877-1888 (04/1990)
AH	Brown et al., Characterization of the genes and attachment sites for site-specific integration of plasmid pSE101 in Saccharopolyspora erythraea and Streptomyces lividans, Molecular Gen Genet., Vol. 242, pp. 185-193 (1994)
AI	Brown et al., Site-specific integration in Saccharopolyspora erythraea and multisite integration in Streptomyces lividans of actinomycete plasmid pSE101, Journal of Bacteriology, Vol. 170, No. 5, pp. 2287-2295 (05/1988)
AJ	Cohen et al., The integrated and free states of Streptomyces griseus plasmid pSG1, Plasmid, Vol 13, pp. 41-50 (1985)
AK	Gabriel et al., The actinophage RP3 DNA integrates site-specifically into the putative tRNA(Arg)(AGG) gene of Streptomyces rimosus, Nucleic Acids Res., Vol. 23, No. 1, pp. 58-63 (1995)
AL	Hagege et al., Mode and origin of replication of pSAM2, a conjugative integrating element of Streptomyces ambofaciens, Molecular Microbiology, Vol. 10, No. 4, pp. 799-812 (1993)
AM	Hagege et al., Transfer functions of the conjugative integrating element pSAM2 from Streptomyces ambofaciens: Characterization of a kil-kor system associated with transfer, Journal of Bacteriology, Vol. 175, No. 17, pp. 5529-5538 (09/1993)
AN	Katz et al., Site-specific recombination in Escherichia coli between the att sites of plasmid pSE211 from Saccharopolyspora erythraea, Molecular Gen. Genet., Vol. 227, pp. 155-159 (1991)
AO	Kuhstoss et al., Plasmid cloning vectors that integrate site-specifically in Streptomyces spp., Gene., Vol. 97, pp. 143-146 (1991)
AP	Kuhstoss et al., Analysis of the integration function of the streptomycete bacteriophage phi C31, Journal of Molecular Biology, Vol. 222, pp. 897-908 (1991)

	AQ	Kuhstoss et al., Site-specific integration in <i>Streptomyces ambofaciens</i> : Localization of integration functions in <i>S. ambofaciens</i> plasmid pSAM2, <i>Journal of Bacteriology</i> , Vol. 171 No. 1, pp. 16-23 (01/1989)
	AR	Lal et al., Development of an improved cloning vector and transformation system in <i>Amycolatopsis mediterranei</i> (<i>Nocardia mediterranei</i>), <i>Journal of Antibiot. (Tokyo)</i> , Vol. 51, No. 2, pp. 161-169 (1998)
	AS	Madon et al., Site-specific integration and excision of pMEA100 in <i>Nocardia mediterranei</i> , <i>Mol Gen Genet.</i> , Vol. 209, pp. 257-264 (1987)
	AT	Martin et al., Site-specific integration of the <i>Streptomyces</i> plasmid pSAM2 in <i>Mycobacterium smegmatis</i> , <i>Molecular Microbiology</i> , Vol. 5, No. 10, pp. 2499-2502 (1991)
	AU	Matshushima et al., A Gene Cloning System for ' <i>Streptomyces toyocaensis</i> ', <i>Microbiology</i> , Vol. 142, pp. 261-267 (1996)
	AV	Mazodier et al., The chromosomal integration site of the <i>Streptomyces</i> element pSAM2 overlaps a putative tRNA gene conserved among actinomycetes, <i>Mol Gen Genet.</i> , Vol. 222, pp. 431-434 (1990)
	AW	Moretti et al., Isolation and characterization of an extrachromosomal element from <i>Nocardia mediterranei</i> , <i>Plasmid</i> , Vol. 14, pp. 126-133 (1985)
	AX	Pernodet et al., Plasmids in different strains of <i>Streptomyces ambofaciens</i> : free and integrated form of plasmid pSAM2, <i>Mol. Gen. Genet.</i> , Vol. 198, pp. 35-41 (1984)
	AY	Raynal et al., Structure of the chromosomal insertion site for pSAM2: functional analysis in <i>Escherichia coli</i> , <i>Molecular Microbiology</i> , Vol. 28, No. 2, pp. 333-342 (1998)
	AZ	Seoane et al., Targets for pSAM2 integrase-mediated site specific integration in the <i>Mycobacterium smegmatis</i> chromosome, <i>Microbiology</i> , Vol. 143, pp. 3375-3380 (1997)
	BA	Sezonov et al., KorSA from the <i>Streptomyces</i> integrative element pSAM2 is a central transcriptional repressor: Target genes and binding sites, <i>Journal of Bacteriology</i> , Vol. 182, No. 5, pp. 1243-1250 (03/2000)
	BB	Sezonov et al., Characterization of <i>pra</i> , a gene for replication control in pSAM2, the integrating element of <i>Streptomyces ambofaciens</i> , <i>Molecular Microbiology</i> , Vol. 17, No. 3, pp. 533-544 (1995)
	BC	Simonet et al., Excision and integration of a self-transmissible replicon of <i>Streptomyces ambofaciens</i> , <i>Gene.</i> , Vol. 59, pp. 137-144 (1987)
	BD	Smokvina et al., Functional analysis of the <i>Streptomyces ambofaciens</i> element pSAM2, <i>Plasmid</i> , Vol. 25, pp. 40-52 (1991)
	BE	Smokvina et al., Construction of a series of pSAM2-based integrative vectors for use in actinomycetes, <i>Gene.</i> , Vol. 94, No. 1, pp. 53-59 (1990)
	BF	Sosio et al., Excision of pIJ408 from the chromosome of <i>Streptomyces glaucescens</i> and its transfer into <i>Streptomyces lividans</i> , <i>Mol Gen Genet.</i> , Vol. 218, pp. 169-176 (1989)
	BG	Thyagarajan et al., Site-specific genomic integration in mammalian cells mediated by phage phiC31 integrase, <i>Molecular and Cellular Biology</i> , Vol. 21, No. 12, pp. 3926-3934 (06/2001)
	BH	Vogtli et al., The chromosomal integration site for the <i>Streptomyces</i> plasmid SLP1 is a functional tRNA(Tyr) gene essential for cell viability, <i>Molecular Microbiology</i> , Vol. 6, No. 201, pp. 3041-3050 (1992)
	BI	Zhu et al., Amplification on the <i>Amycolatopsis</i> (<i>Nocardia</i>) <i>mediterranei</i> plasmid pMEA100: sequence similarities to actinomycete att sites, <i>Plasmid</i> , Vol. 24, pp. 132-142 (1990)
EXAMINER		DATE CONSIDERED
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/855,340	
	Filing Date	May 15, 2001	
	First Named Inventor	Hosted, Jr., et al.	
	Group Art Unit	1645	
	Examiner Name		
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